

**DEVELOP THE PYTHON SCRIPT**  
**PUBLISH DATA TO THE IBM CLOUD**

Team ID	PNT2022TMID21469
Project Name	Smart Waste Management System For Metropolitan Cities

**Python script to publish data in the IBM cloud:**

```
#IBM Watson IOT Platform
```

```
#pip install wiotp-sdk
```

```
import wiotp.sdk.device
```

```
import time
```

```
import random
```

```
myConfig = {
```

```
    "identity": {
```

```
        "orgId": "x8dg57",
```

```
        "typeId": "smartbin",
```

```
        "deviceId": "123"
```

```
    },
```

```
    "auth": {
```

```
        "token": "12345678"
```

```
    }
```

```
}
```

```
def myCommandCallback(cmd):
```

```
    print("Message received from IBM IoT Platform: %s" % cmd.data['command'])
```

```
    m=cmd.data['command']
```

```
client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)
```

```
client.connect()
```

```
while True:
```

```
    weight=random.randint(10,125)
```

```
    level=random.randint(0,100)
```

```
myData={'binweight':weight, 'binlevel':level}
client.publishEvent(eventId="status", msgFormat="json", data=myData, qos=0, onPublish=None)
print("Published data Successfully: %s", myData)
client.commandCallback = myCommandCallback
time.sleep(2)
client.disconnect()
```